

1. A signal transmitter which is connected to a signal receiver via a transmission line, comprising:

    . a time-base compression means for time-base-compressing a first signal;

a multiplexing control signal generator for generating a multiplexing control signal on the basis of a second signal;

a signal multiplexing means for multiplexing the time-base-compressed first signal, the second signal and a third signal, employing the multiplexing control signal generated by the multiplexing control signal generator, and outputting a multiplexed signal; and

a signal transmitting means for transmitting the multiplexed signal and the multiplexing control signal to the signal receiver.

2. A signal transmitter which is connected to a signal receiver via a transmission line, comprising:

a time-base compression means for time-base-compressing a first signal;

a multiplexing control signal generator for generating a multiplexing control signal on the basis of a second signal;

a signal multiplexing means for multiplexing the time-base-compressed first signal, the second signal and a third signal, employing the multiplexing control signal generated by

a signal transmitting means for transmitting the multiplexed signal to the signal receiver.

4. A signal transmitter according to DVI transmission standard which transmits RGB video signals as serial data having: a first mode of transmitting the RGB video signals as serial data, and a second mode of transmitting three signals corresponding to a luminance signal, a color difference signal and an audio signal,

5. A signal receiver which is connected to a signal transmitter via a transmission line, comprising:

a second receiving means for receiving a multiplexing control signal from the signal transmitter;

a demultiplexing means for demultiplexing the multiplexed



signal, and the third signal is a video signal.

8. A signal receiver according to DVI transmission standard which receives RGB video signals as serial data having: a first mode of receiving the RGB video signals as serial data and a second mode of receiving three signals corresponding to a luminance signal, a color difference signal and an audio signal,

the signal receiver comprising a switching means for switching between the first mode and the second mode.